Beam Power Tube

7-PIN MINIATURE TYPE

GENERAL DATA

Electrical:		-
Heater, for Unipotential Cathode: Voltage (AC or DC) Current at 6.3 volts Direct Interelectrode Capacitances (Approx.):	6.3 ± 10% 1.2	volts amp
Grid No.1 to plate	0.6	$\mu \mu$ f
grid No.2, and heater	13	$\mu\mu$ f
grid No.2, and heater	8.5	$\mu\mu$ f
Mechanical:		
Operating Position	ip) 2" : . 0.650" to See General	2-3/8" ± 3/32" 0.750" Section .T5-1/2 o.E7-1)
Pin 1 - Cathode, Grid No.3 Pin 2 - Grid No.1 Pin 3 - Heater	Pin 4 - Heat Pin 5 - Grid Pin 6 - Grid Pin 7 - Plat	No.1 No.2
AMPLIFIER — Class A		
Maximum Ratings, Design-Maximum Values:		+
PLATE VOLTAGE	150 max. 130 max.	volts volts
Positive-bias value		volts
PLATE DISSIPATION	7 max. 1.4 max.	
PEAK HEATER-CATHODE VOLTAGE:	1.4 Hax.	walts
Heater negative with respect to cathode Heater positive with	200 max.	volts
respect to cathode BULB TEMPERATURE (At hottest point	200 b max.	volts
on bulb surface)	220 max.	οС
	→ Indicates a	change.

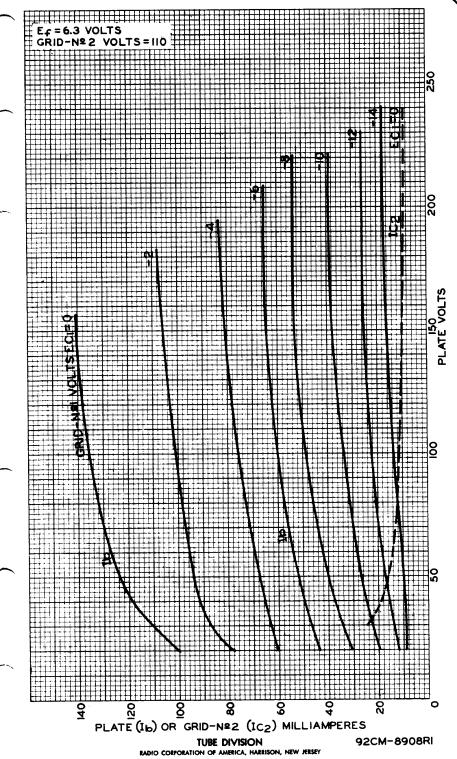
6CU5

Typical Operation and Characteristics:		
Plate Voltage 120	volts	
Grid-No.2 Voltage 110	volts	
Grid-No.1 Voltage8	volts	
Peak AF Grid-No.1 Voltage 8	volts	
Zero-Signal Plate Current 49	ma	
MaxSignal Plate Current 50	ma	
Zero-Signal Grid-No.2 Current 4	ma	
MaxSignal Grid-No.2 Current 8.5	ma	
Plate Resistance (Approx.) 10000	ohms	
Transconductance	μ mhos	
Load Resistance 2500	ohms	
Total Harmonic Distortion 10	%	
Max.—Signal Power Output 2.3	watts	
Maximum Circuit Values:		
Grid-No.1-Circuit Resistance:		
For fixed-bias operation 0.1 max. For cathode-bias operation 0.5 max.	megohm megohm	
For cathode-bias operation 0.5 max.	megoriii	

 $^{{\}color{red}a}$ Without external shield. ${\color{blue}b}$ The dc component must not exceed 100 volts.



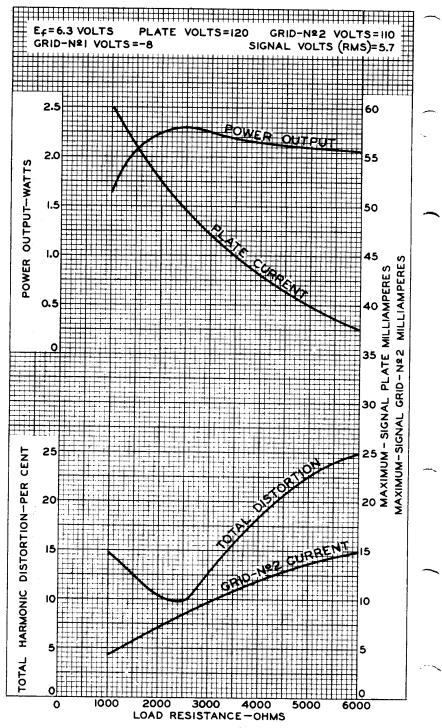
AVERAGE CHARACTERISTICS







OPERATION CHARACTERISTICS



TUBE DIVISION
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

92CM-8918